

ABSTRACT OF THE DISCLOSURE

An incubator for use with a magnetic resonance (MR) system, the incubator minimizing an amount of interference generated during an MR scan of the incubator is disclosed. The incubator includes an incubator housing, which includes a patient compartment, an aggregate compartment coupled to the patient compartment, and an electronics compartment coupled to the aggregate compartment. The incubator housing and an incubator frame are constructed as a uni-body assembly. A means for inhibiting insertion of the electronics compartment of the incubator housing into the MR system also is provided. Additionally, a method for improving the compatibility of a magnetic resonance (MR) accessory for maintaining or monitoring the health of a patient while undergoing magnetic resonance imaging (MRI) with an MR system is disclosed. The method includes at least one of the steps of reducing an interference between the accessory and a static magnetic field of the MR system, reducing an interference between the accessory and a time varying gradient magnetic field of the MR system, reducing radio frequency (RF) interference between the accessory and the MR system; and reducing electro-magnetic interference (EMI) between the accessory and the MR system..

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